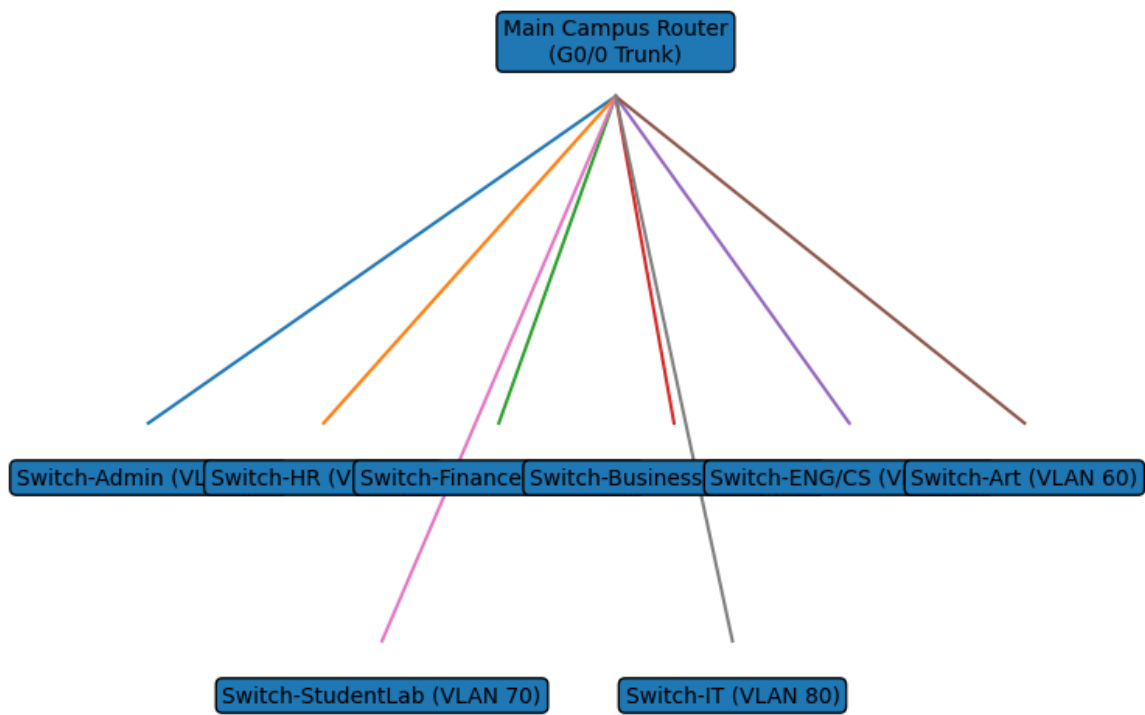


AH Main Campus Network Configuration Report

1. Project Overview

The AH Main Campus network uses VLAN-based segmentation with Router-on-a-Stick inter-VLAN routing. Each department is assigned a unique VLAN and subnet. DHCP services are provided by the main router, and RIPv2 enables WAN routing.

2. Network Topology Diagram



3. Address Table

VLAN	Department	Network	Subnet Mask	Gateway
10	Admin	192.168.1.0	255.255.255.0	192.168.1.1
20	HR	192.168.2.0	255.255.255.0	192.168.2.1
30	Finance	192.168.3.0	255.255.255.0	192.168.3.1
40	Business	192.168.4.0	255.255.255.0	192.168.4.1
50	ENG/CS	192.168.5.0	255.255.255.0	192.168.5.1
60	Art & Design	192.168.6.0	255.255.255.0	192.168.6.1
70	Student Lab	192.168.7.0	255.255.255.0	192.168.7.1

80	IT	192.168.8.0	255.255.255.0	192.168.8.1
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4. Switch Configuration (Sample Access Switch)

```
hostname Switch-Admin
!
vlan 10
 name ADMIN
!
interface range fa0/1-24
 switchport mode access
 switchport access vlan 10
!
interface g0/1
 switchport mode trunk
!
end
```

Note: Additional switches follow the same configuration pattern, changing only the VLAN ID and VLAN name to match their department.